

REMARKS/ARGUMENTS

The Office Action mailed June 8, 2005 has been reviewed and carefully considered. Claims 1-6 have been amended. Claims 1-6 are pending in this application, with claims 1 and 5 being the only independent claims. Reconsideration of the above-identified application, as herein amended and in view of the following remarks, is respectfully requested.

In the Office Action mailed June 8, 2005, the Examiner states that none of the priority documents were received. The present application is a National Phase application of PCT/FI00/00647, filed July 14, 2000. Attached hereto is a document from the International Bureau of WIPO indicating that the priority document was filed and received by the International Bureau. A copy of the certified priority document is normally forwarded to each designated State and is sufficient to meet the requirement of a certified copy (see MPEP 1893.03(c)). Accordingly, the certified copy should have been received from the International Bureau and such indication is requested in the next Office Action.

The claims were objected to for various informalities noted by the Examiner. The claims have been extensively revised to comply with U.S. practice and it is respectfully submitted that the informalities noted by the Examiner have each been addressed. Accordingly, the objection to the claims should now be withdrawn.

Claims 1, 2, and 4-6 stand rejected under 35 U.S.C. §102(b) as anticipated by WO 96/32823 (Lehtimäki).

Claim 3 stands rejected under 35 U.S.C. §103 as being unpatentable over Lehtimäki in view of U.S. Patent Application Publication No. 2004/0062274 (Hakansson).

Before discussing the cited prior art and the Examiner's rejections of the claims in view of that art, a brief summary of the subject matter described in the present application is

appropriate. The summary is presented for the convenience of the Examiner to facilitate the below discussion of the differences between the cited references and the claimed subject matter.

Fig. 2 of the present application shows that input parameters 101 are received at a reception block, i.e., RX DTX Handler, 102 which processes the received data and generates content identifiers including an SP flag 103 and an HO flag 201 (see page 6, lines 4-7 and 13-14 of the present application). The SP flag 103 and the parameters 101 are transmitted to a decoder 104 (page 6, lines 20-21). The decoder generates synthesized speech from the parameters 101 using the SP flag 103 (page 6, lines 22-25). A speech encoder 108 receives SP flag 103, HO flag 201, and the synthesized speech and recodes the data to generate parameters 107 which are transmitted with the SP flag 103 to the transmitter unit, i.e., TX DTX Handler, 110 (page 6, lines 25-32). The transmitter unit checks the SP flag 103 for each frame and forwards only the parameters of frames with speech data, as determined by the SP flag 103 (page 6, lines 33-34).

Independent claim 1 recites "synthesizing data parameters of said data frame corresponding to original data parameters of the received data frame according to at least said first content identifier", "recoding the data parameters of the synthesized data frame with an encoding method suitable for the receiver according to said at least one information parameter", and "updating, during recoding, the data parameters of at least some of said synthesized data frames based on said at least one information parameter". It is respectfully submitted that none of these limitations is disclosed by Lehtimaki.

Lehtimaki discloses a transcoder for preventing the tandem coding of speech for calls between two mobile stations. As described at page 15, lines 25, to page 16, line 25, of Lehtimaki, a transcoder is arranged between a calling party and an MSC and another transcoder is arranged between the MSC and the called party. Since they are in series, the call is encoded

and decoded twice which deteriorates speech quality. The transducers TRCU1, TRCU2, the MSC, and the called and calling parties MS1, MS2 are shown in Fig. 1 of Lehtimaki. According to Lehtimaki, the MSC detects an MMC call and a need for preventing tandem coding, and signals information to the BTS1 and BTS3 (see page 18, line 32 to page 19, line 3). When the TRCU is informed by the BTS of the need for preventing tandem coding, no speech decoding is carried out (see page 16, line 29 to page 17, line 6; and page 19, lines 6-14).

Regarding the limitation "synthesizing data parameters of said data frame corresponding to original data parameters of the received data frame according to at least said first content identifier", the Examiner states that the original limitation is disclosed at page 4, lines 11-18 and at page 22, lines 1-11 of Lehtimaki. The amended limitation more specifically recites that the data parameters of the data frame are synthesized according to the first content identifier. The section on page 4, lines 11-18 of Lehtimaki discloses only that the speech itself is decoded into pulse code modulated (PCM) speech samples. Page 22, lines 1-11 allude to updating parameters of the comfort noise (see page 21, lines 33-34). Accordingly, Lehtimaki fails to disclose "synthesizing data parameters of said data frame corresponding to original data parameters of the received data frame according to at least said first content identifier".

Regarding the limitation "recoding the data parameters of the synthesized data frame with an encoding method suitable for the receiver according to said at least one information parameter", the Examiner states that the original limitation is disclosed by page 4, lines 14-16 and by Fig. 7, item 74. This limitation specifically recites decoding data parameters of the synthesized data frame. The section of Lehtimaki on page 4 referenced by the Examiner discloses only that the speech is decoded. The functions of processing block 74 are described starting on page 26, line 20 of Lehtimaki. This processing block does not recode the data

parameters of the synthesized data frame. Rather, this processing block 74 may change the type of frame by changing control bits (see page 26, line 20 to page 27, line 9). Accordingly, Lehtimaki fails to disclose "recoding the data parameters of the synthesized data frame with an encoding method suitable for the receiver according to said at least one information parameter".

Regarding the limitation "updating, during recoding, the data parameters of at least some of said synthesized data frames based on said at least one information parameter", support for this limitation is found on page 7, lines 22-35 of the present application. The Examiner rejected the original limitation as being disclosed by page 26, line 30, to page 27, line 10 of Lehtimaki. This section of Lehtimaki refers to changing control bits in TRAU frames while the PCM frames are encoded. Accordingly, processing block 74 operates on something entirely different than the PCM frames that are encoded by processing block 73. In contrast, independent claim 1 requires that the data parameters of the synthesized data frame are recoded and that at least some of these data parameters that are recoded, are also updated during recoding. Since processing blocks 73 and 74 operate on different frames, Lehtimaki fails to disclose the step "updating, during recoding, the data parameters of at least some of said synthesized data frames based on said at least one information parameter", as expressly recited in independent claim 1.

For all of the above reasons, independent claim 1, as amended, is not anticipated by Lehtimaki under 35 U.S.C. §102.

Since Lehtimaki relates to preventing tandem transcoding, Lehtimaki also fails to teach or suggest the limitations of independent claim 1. Accordingly, independent claim 1 is also patentable over Lehtimaki under 35 U.S.C. §103.

Independent claim 5 includes similar limitations to independent claim 1 and should be allowable for the same reasons.

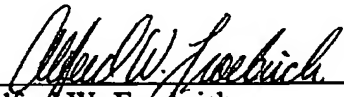
Dependent claims 2-4 and 6, each being dependent on one of independent claims 1 and 5, should be allowable for at least the same reasons as are independent claims 1 and 5, as well as for the additional recitations contained therein.

It is believed that no fees or charges are required at this time in connection with the present application. However, if any fees or charges are required at this time, they may be charged to our Patent and Trademark Office Deposit Account No. 03-2412.

Respectfully submitted,

COHEN, PONTANI, LIEBERMAN & PAVANE

By


Alfred W. Froeblich
Reg. No. 38,887
551 Fifth Avenue, Suite 1210
New York, New York 10176
(212) 687-2770

Dated: September 8, 2005

PATENT COOPERATION TREATY

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Date of mailing (day/month/year) 30 November 2000 (30.11.00)	
Applicant's or agent's file reference 50194	IMPORTANT NOTIFICATION
International application No. PCT/FI00/00647	International filing date (day/month/year) 14 July 2000 (14.07.00)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 14 July 1999 (14.07.99)
Applicant NOKIA NETWORKS OY et al	

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<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
14 July 1999 (14.07.99)	991605	FI	17 Octo 2000 (17.10.00)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 740.14.35	Authorized officer J. Leliao Telephone No. (41-22) 338.83.38
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